

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 3 (Canceled)

4. (Currently Amended) A fuel cell separator sandwiching from both sides via diffusion layers an anode and a cathode set against an electrolyte film, the separator being made of a mixture of a thermoplastic resin selected from among ethylene / vinyl acetate copolymers and ethylene / ethyl acrylate copolymers, at least one type of carbon particles selected from among Ketjen black, graphite and acetylene black, and glass fiber or carbon fiber, ~~wherein a~~ proportion of the thermoplastic resin in the mixture ~~is being~~ between about 14 to 20wt%, a proportion of the carbon particles ~~is being~~ between 70 to 83.5wt%, ~~and a~~ proportion of the glass or carbon fiber ~~is being~~ between about 2.5 to 10 wt%,

wherein the carbon particles include 3 to 20 wt% of Ketjen Black.

5 – 10 (Cancelled)

11. (New) A fuel cell separator sandwiching from both sides via diffusion layers an anode and a cathode set against an electrolyte film, the separator being

made of a mixture of a thermoplastic resin selected from among ethylene / vinyl acetate copolymers and ethylene / ethyl acrylate copolymers, at least one type of carbon particles selected from among a carbon black having excellent electrical conductivity, graphite and acetylene black, and glass fiber or carbon fiber, wherein a proportion of the thermoplastic resin in the mixture is between about 14 to 20wt%, a proportion of the carbon particles is between 70 to 83.5wt%, and a proportion of the glass or carbon fiber is between 8 to 10wt%.

12. (New) A fuel cell separator sandwiching from both sides via diffusion layers an anode and a cathode set against an electrolyte film, the separator being made of a mixture of a thermoplastic resin of an ethylene / ethyl acrylate copolymer, at least one type of carbon particles selected from among Ketjen black, graphite and acetylene black, and glass fiber or carbon fiber, a proportion of the thermoplastic resin in the mixture being between about 14 to 20wt%, a proportion of the carbon particles being between 70 to 83.5wt%, a proportion of the glass or carbon fiber being between about 2.5 to 10 wt%.